EMBEDDED MAGNET TYPE ROTOR AND FILLING METHOD OF THE SAME

Abstract of the Disclosure

A system and method are used to assemble and fill an embedded magnet type rotor. The system and method prevent rotation of the rotor core within a manufacturing device as the rotor core is being filled and the embedded magnets are magnetically orientated. The embedded magnet type rotor is made by a process in which resinous magnet is filled in slits provided in a rotor core. In one embodiment, a recessed portion of the core in a shaft hole is engageable with a projecting portion of a core pin of a metallic mold for use in filling the resinous magnet to prevent rotation of the core. Other positioning devices are also used to prevent rotation.